

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

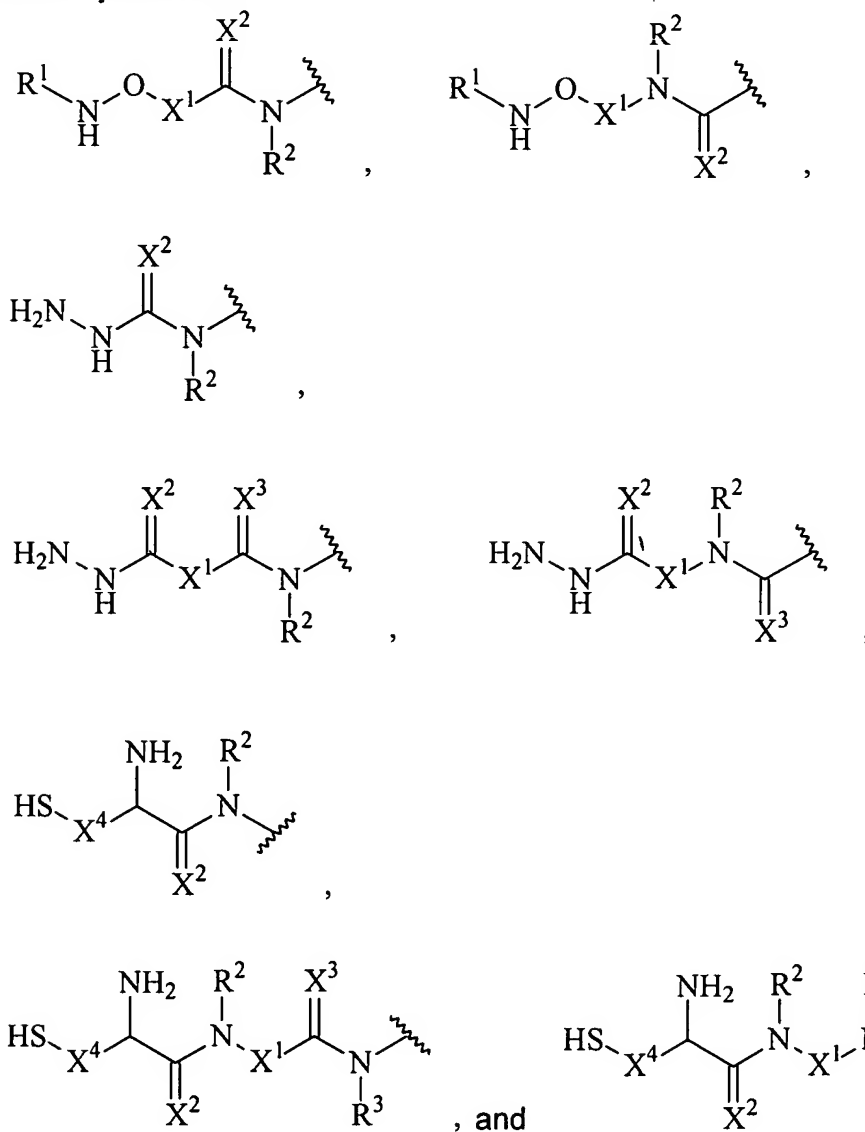
**Listing of Claims:**

1. (Original) A substance which can specifically interact with sugar chains.
2. (Original) A substance according to claim 1, wherein a level of the interaction between the substance and the sugar chains is such that a necessary dissociation energy when laser irradiation is performed in a MALDI-TOF is at least 5eV.
3. (Original) A substance according to claim 1, which is bindable to a support.
4. (Original) A substance according to claim 1, wherein the substance comprises a functional group which can react with an aldehyde group in a fluid.
5. (Original) A substance according to claim 4, wherein the functional group is selected from a group consisting of a hydroxylamino group, a N-alkylhydroxylamino group, a hydrazide group, a thiosemicarbazide group and a cysteine residue.
6. (Original) A substance according to claim 1, wherein the interaction comprises a covalent bond.

7. (Original) A substance according to claim 1, wherein the interaction comprises oxime bond, hydrazone bond, thiosemihydrazone bond, perhydrothiazine ring formation or thiazolidine ring formation.

8. (Currently Amended) A substance according to claim 1, represented by formula (I): X-Y-Z (I)

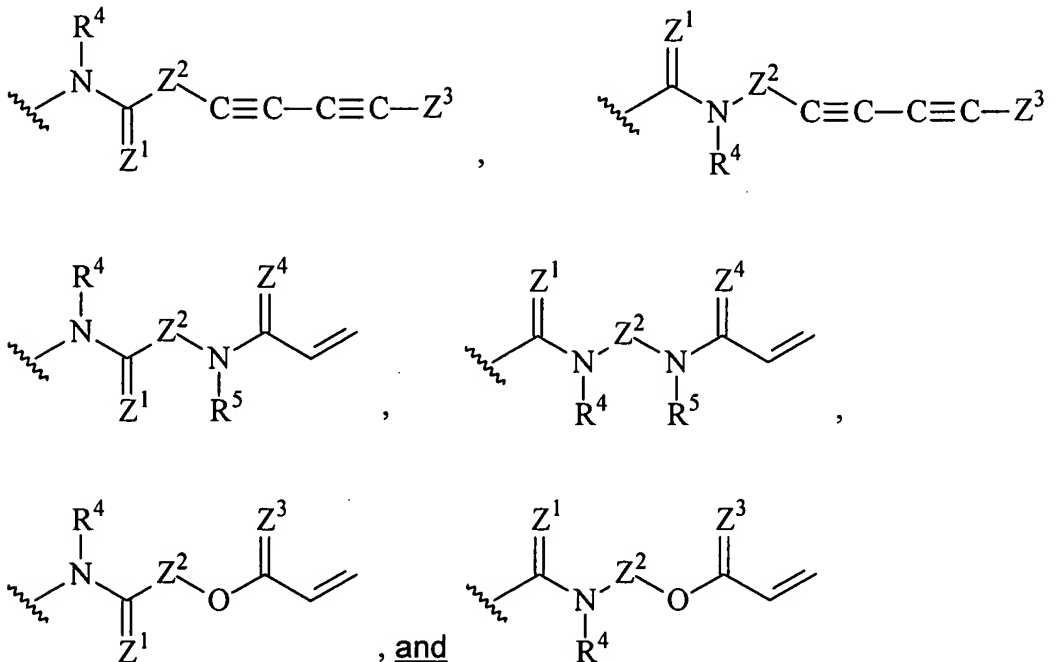
~~{wherein herein, X is selected from the group consisting of a group~~  
 represented by formulae:



~~wherein~~ herein,  $X^1$  is substituted or unsubstituted alkylene ~~which may be substituted or~~ substituted or unsubstituted alkenylene which may be substituted,  $X^2$  is an oxygen atom or a sulfur atom,  $X^3$  is ~~an oxygen atom or a sulfur atom~~,  $X^4$  is methylene or ethylene,  $R^1$  is ~~a hydrogen atom or alkyl~~, and  $R^2$  and  $R^3$  are independently ~~a hydrogen atom or alkyl~~;

Y is single bond; ~~optionally~~ optionally substituted alkylene in which at least one group selected from the group consisting -O-, -S-, -S-S-, -N( $R^a$ )-C(=O)-, -C(=O)-N( $R^b$ )-, and phenylene which may be substituted, may intervene; or ~~optionally~~ optionally substituted alkenylene in which at least one group selected from the group consisting -O-, -S-, -S-S-, -N( $R^a$ )-C(=O)-, -C(=O)-N( $R^b$ )-, and phenylene which may be substituted, may intervene, ~~(herein~~ wherein,  $R^a$  and  $R^b$  are independently ~~a hydrogen atom or alkyl~~);

Z is ~~a group represented by formulae~~ selected from the group consisting of:



~~(herein~~ wherein,  $Z^1$  is an oxygen atom or sulfur atom,  $Z^2$  and  $Z^3$  are independently ~~optionally~~ optionally substituted alkylene in which phenylene may

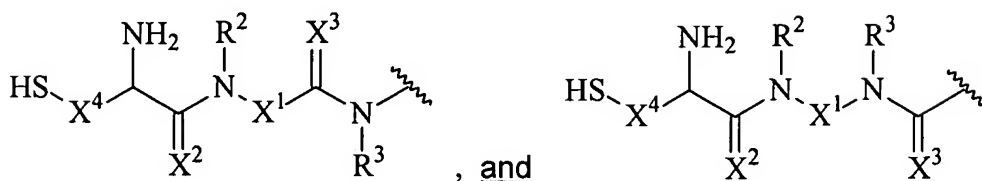
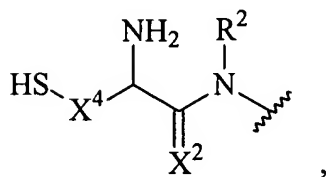
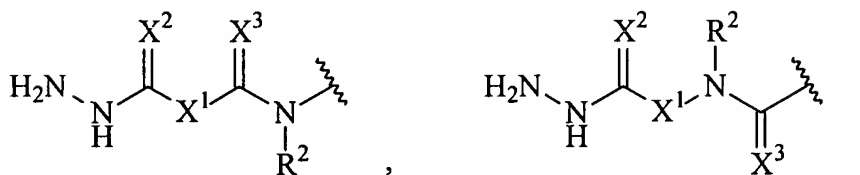
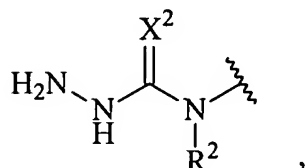
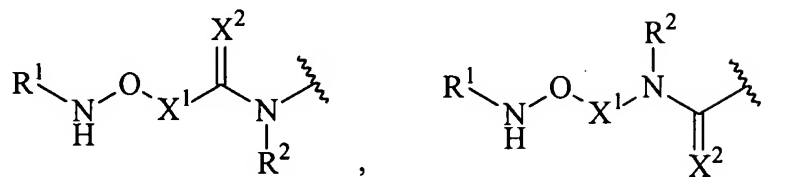
intervene, or ~~optionally~~optionally substituted alkenylene in which phenylene may intervene,  $Z^4$  is an oxygen atom or a sulfur atom,  $R^4$  and  $R^5$  are independently a hydrogen atom or alkyl}.

9. (Original) A substance obtained by polymerizing the substance according to claim 8.

10. (Original) A substance according to claim 9, wherein the polymerization is initiated by UV-irradiation.

11. (Original) A substance according to claim 9, obtained by polymerizing a monolayer obtained by physical adsorption of Z site of the compound represented by formula (I) to a support.

12. (Currently Amended) A substance according to claim 1, which is a copolymer obtained by polymerizing a compound represented by formula (I): X-Y-Z (I)  
~~{herein~~wherein, X is ~~a group represented by formulae selected from the~~  
group consisting of:

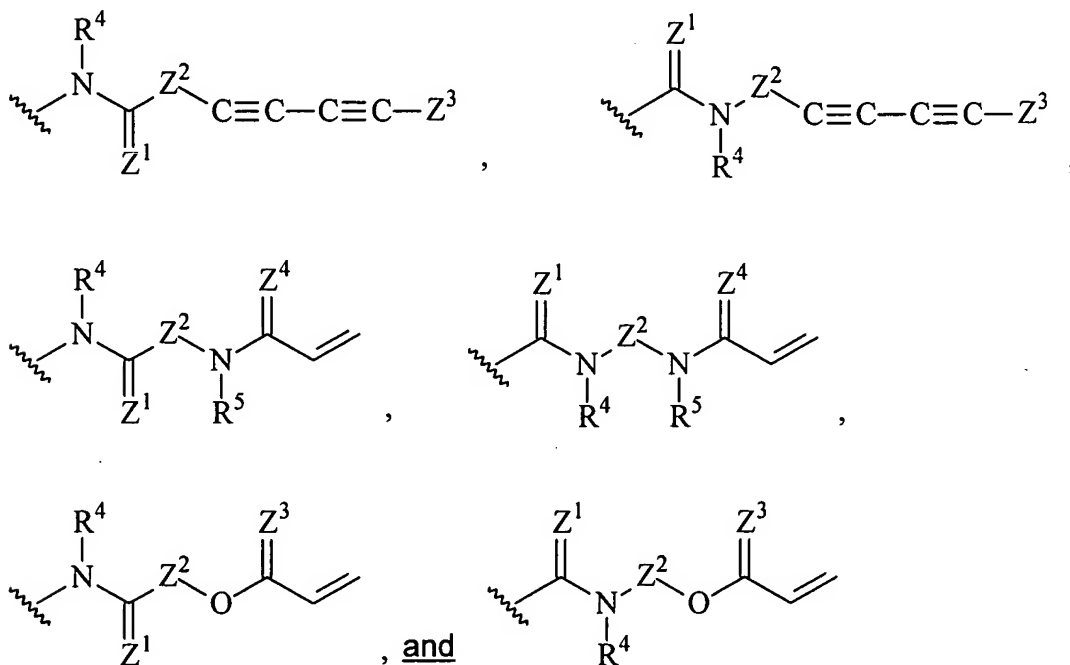


(~~herein~~wherein,  $\text{X}^1$  is ~~alkylene which may be substituted or alkenylene~~ which may be substituted substituted or unsubstituted alkylene, substituted or unsubstituted alkenylene,  $\text{X}^2$  is ~~an oxygen atom or a sulfur atom~~,  $\text{X}^3$  is ~~an oxygen atom or a sulfur atom~~,  $\text{X}^4$  is methylene or ethylene,  $\text{R}^1$  is ~~a hydrogen atom or alkyl~~, and  $\text{R}^2$  and  $\text{R}^3$  are independently ~~a hydrogen atom or alkyl~~);

Y is single bond; ~~optionally~~ optionally substituted alkylene in which at least one group selected from the group consisting of -O-, -S-, -S-S-, -N( $\text{R}^a$ )-C(=O)-, -C(=O)-N( $\text{R}^b$ )-, and phenylene which may be substituted, may intervene; or ~~optionally~~

optionally substituted alkenylene in which at least one group selected from the group consisting of -O-, -S-, -S-S-, -N(R<sup>a</sup>)-C(=O)-, -C(=O)-N(R<sup>b</sup>)-, ~~and substituted or unsubstituted phenylene which may be substituted~~, may intervene (~~hereinwherein~~, R<sup>a</sup> and R<sup>b</sup> are independently a hydrogen atom or alkyl);

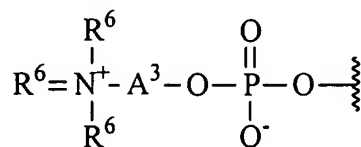
Z is a group represented by formulae selected from the group consisting of:



(~~hereinwherein~~, Z<sup>1</sup> is an oxygen atom or sulfur atom, Z<sup>2</sup> and Z<sup>3</sup> are independently ~~optionally~~ optionally substituted alkenylene in which phenylene may intervene, or ~~optionally~~ optionally substituted alkenylene in which phenylene may intervene, Z<sup>4</sup> is an oxygen atom or a sulfur atom, R<sup>4</sup> and R<sup>5</sup> are independently a hydrogen atom or alkyl}); and

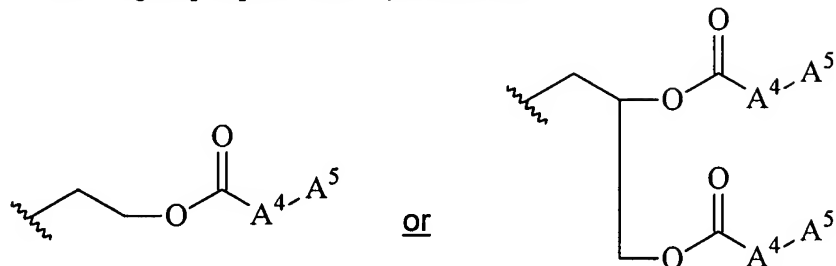
a compound represented by formula (II): A<sup>1</sup>-A<sup>2</sup>(II)

~~hereinwherein~~, A<sup>1</sup> is H(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>O- (n is an integer from 1 to 5) or a group represented by a formula:

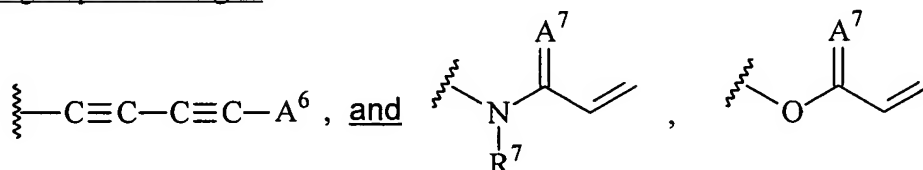


~~(hereinwherein,~~ A<sup>3</sup> is alkylene, and R<sup>6</sup> is alkyl); and

A<sup>2</sup> is a group represented by formulae:



~~(hereinwherein,~~ A<sup>4</sup> is alkylene, and A<sup>5</sup> is ~~represented by formulae selected~~  
from the group consisting of:



(A<sup>6</sup> is alkylene, A<sup>7</sup> is ~~an oxygen atom or a sulfur atom,~~ and R<sup>7</sup> is a  
 hydrogen atom ~~or alkyl~~)).

13. (Original) A substance according to claim 12, wherein the polymerization is initiated by UV-irradiation.

14. (Original) A substance according to claim 12, wherein mole fraction of the compound represented by formula (II) is 0.1 to 0.9.

15. (Original) A substance according to claim 12, obtained by polymerizing monolayers obtained by physical adsorption of Z site of the compound represented by formula (I) and A<sup>2</sup> site of the compound represented by formula (II) to a support.

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Preliminary Amendment

16. (Original) A substance according to claim 12, obtained by polymerizing water dispersion or a cast film of a mixture comprising the compound represented by formula (I) and the compound represented by formula (II).

17. (Original) A sugar chain-trapping carrier, comprising a substance which can specifically interact with sugar chains.

18. (Original) A sugar chain-trapping carrier, in which the substance according to claim 9 or 12 is transferred to a support.

19.-43. (Cancelled)